

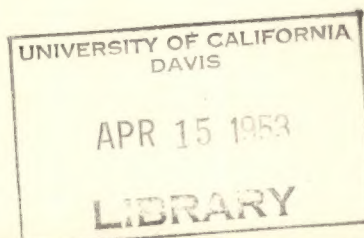
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PACIFIC COAST CANNED PEARS
REVISED ANALYSIS OF
F.O.B. PRICE RELATIONSHIPS

Sidney Hoos and R.D. Aplin



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March 1953

THE HISTORY OF THE
CITY OF BOSTON

FROM THE FIRST SETTLEMENT TO THE PRESENT TIME

BY

JOSEPH

JOSEPH NEALE, ESQ. OF BOSTON.
IN TWO VOLUMES.
THE FIRST VOLUME.
BOSTON: PUBLISHED BY J. NEALE, 1792.

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PACIFIC COAST CANNED PEARS--REVISED ANALYSIS
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Sidney Hoos and R. D. Aplin

INTRODUCTION

Pears are one of the major canned fruits. Pears are also an important fresh shipping fruit, and that outlet is important for many growers in California and in the Northwest. Yet, for certain pear-producing areas on the Pacific Coast, the canning outlet is of major significance, in both pears canned as such and for use in fruit cocktail.^{3/}

From the view of economics and marketing, California and the Northwest comprise a single pear-producing area. This applies particularly to canned pears and also to fresh shipping pears to a great extent. In response to the pear canning industry of the Pacific Coast, reports giving economic-marketing information have been issued periodically. Included with such information were various economic-statistical analyses of f.o.b. prices of canned pears. The reports were used by growers, canners, distributors, and purchasers of canned pears. The reports were used, along with other economic and market information, to evaluate the current market situation and appraise its outlook.

In order to provide the canned pear industry with market information, the economic-statistical analyses of the f.o.b. prices of canned pears were revised periodically. Revisions at times were minor and, at other times, more significant. The intent was to make available the most recent analysis that the current circumstances and available information permitted.^{4/}

^{3/} Hoos, Sidney, and S. W. Shear. California Bartlett Pears, Economic Status. Berkeley, 1947. (Calif. Agr. Exp. Sta. Circ. 368 and its statistical supplement)

^{4/} The latest issue in the series is Sidney Hoos, Statistical Analyses of the Annual Average F.O.B. Prices of Pacific Coast Canned Pears, 1926-27 to 1951-52. Berkeley, 1952. (Calif. Univ. Col. of Agr. Giannini Foundation of Agricultural Economics. Mimeographed Report 135)

PACIFIC COAST CANNED PEARS--REVISED ANALYSIS
OF F.O.B. PRICE RELATIONSHIPS
BY
STANLEY HOOS AND R. D. APPLIN

INTRODUCTION

Pears are one of the major canned fruits. Pears are also an important fresh shipping fruit, and that makes it important for many growers in California and in the Northwest. Yet, for certain pear-producing areas on the Pacific Coast, the canning outlet is of major significance. In both areas named as such and for use in fruit cocktails.

From the view of economics and marketing, California and the Northwest comprise a single pear-producing area. This applies particularly to canned pears and also to fresh shipping pears to a great extent. In response to the pear canning industry of the Pacific Coast, reports giving economic-statistical information have been issued periodically. Included with such information were various economic-statistical analyses of the prices of canned pears. The reports were used along with other economic and market information to evaluate the current market situation and prepare the outlook.

In order to provide the canning pear industry with market information, the economic-statistical analyses of the f.o.b. prices of canned pears were revised periodically. Revisions at times were minor and, at other times, more significant. The intent was to make available the most recent analysis that the current circumstances and available information permitted.

1/ Hoos, Stanley, and R. D. Applin, California Bartlett Pears, Economic Statement, Berkeley, 1947. (Calif. Agr. Exp. Sta. Circ. 968 and its statistical supplement.)

2/ The latest issue in the series is Stanley Hoos, Statistical Analyses of the Annual Average F.O.B. Prices of Pacific Coast Canned Pears, 1935-36 to 1951-52, Berkeley, 1952. (Calif. Univ. Coll. of Agr. Economic Research of Agricultural Economics, Mimeographed Report 1952.)

DATA

The objective of this report is to introduce major revisions in the economic-statistical analysis of factors related to the f.o.b. prices of Pacific Coast canned pears. Developments in the canned fruit industries call for their adequate reflection in the analysis, and research for and with market information has made it possible now to introduce appropriate changes in the analysis. Thus, in a sense the economic-statistical analysis is brought more in line with current needs. The market information developed with the use of the report thereby may be put on a firmer basis.

The revisions introduced may be briefly indicated as follows: the index of competing canned fruit prices has been broadened by adding canned fruit cocktail and canned freestone peaches; the relative weights applied to prices in the index of competing canned fruit prices have been revised to reflect the current relative importance of the various canned fruits; the index of United States nonagricultural income has been replaced by an index of the United States disposable income; and the base periods for the indexes of competing canned fruit prices and income have been shifted from 1935-1939 to 1947-1949.

The index of competing canned fruit prices has been broadened by adding canned freestone peaches and canned fruit cocktail to the three fruits previously included in the index, canned apricots, canned cling peaches, and canned pineapple. The base period of the index has been shifted from the 1935-1939 period to that of 1947-1949. This shift in base period from the prewar to recent postwar years is in line with current developments in other index numbers and has already been introduced in various statistical series issued by the federal government. In addition, the prices of the canned fruits in the index have been given new weights, reflecting the relative importance of the individual fruits as measured by their annual shipments. It may be noted that these changes in the index make it more acceptable in the sense that it reflects current developments.

DATA

The objective of this report is to introduce major revisions in the economic-statistical analysis of trends related to the 1-0-0 series of Pacific Coast canned fruits. Developments in the canned fruit industries call for their adequate representation in the analysis, and with more information has made it possible to introduce appropriate changes in the analysis. Thus, in a sense the economic-statistical analysis is brought more in line with current needs. The analysis information developed with the use of the report thereby may be put on a firmer basis.

The revisions introduced may be briefly indicated as follows: the index of competing canned fruit prices has been broadened by adding certain fruit cocktail and canned pineapple peaches; the relative weights applied to prices in the index of competing canned fruit prices have been revised to reflect the current relative importance of the various canned fruits; the index of United States nonagricultural income has been replaced by an index of the United States disposable income; and the base periods for the indexes of competing canned fruit prices and income have been shifted from 1935-1939 to 1947-1949.

The index of competing canned fruit prices has been broadened by adding canned pineapple peaches and fruit cocktail to the three fruit previously included in the index, canned apricots, canned olive peaches, and canned pineapples. The base period of the index has been shifted from the 1935-1939 period to that of 1947-1949. This shift in base period from the 1935-1939 period to recent postwar years is in line with current developments in other index numbers and has already been introduced in various statistical series issued by the Federal Government. In addition, the prices of the canned fruit in the index have been given new weights, reflecting the relative importance of the individual fruits as measured by their annual shipments. It may be noted that these changes in the index make it more acceptable in the sense that it reflects current developments.

Another change introduced concerns the measurement of national income reflected in the analysis. In the reports issued during the recent postwar years, an index of United States nonagricultural income, with the average for 1935-1939 = 100, was used. For the years beginning with 1929-30, that index now has been replaced by an index of United States disposable personal income, with the average for 1947-1949 as the base. The disposable income is derived from personal income by adjusting for tax obligations. The new base period was introduced for the same reason as noted above for the price index of competing canned fruits. It is deemed desirable to introduce the new index since many users of the report use disposable income figures in review of the market situation. Thus, the inclusion of disposable income in the analysis should help to coordinate it with the other income information used by the industry.

During the latter half of the 1930's and also during the postwar years, fruit cocktail developed and then maintained a significant position as one of the major canned fruit items. The expansion in the production and sale of canned fruit cocktail emphasized the need for inclusion of its price in the index of competing canned prices. This was not done earlier since appropriate price data for canned fruit cocktail were not available. More adequate data have now been compiled and analyzed. Accordingly, fruit cocktail has been introduced into the index beginning with the year 1936-37; adequate price data for earlier years are not available. The absence of fruit cocktail from the index for the years prior to 1936-37 does not impose a serious limitation, however, since in those years the volume of canned fruit cocktail was relatively less significant.

Although canned freestone peaches are not packed in as large volume as are canned cling peaches, there is evidence that competitive demand relations exist between canned freestone and canned clingstone peaches.^{5/} The new index of

^{5/} Hoos, Sidney, and W. G. O'Regan. Statistical Analyses of Competitive Relations Between Canned Clingstone and Canned Freestone Peaches. Berkeley, 1949. Processed. (Calif. Agr. Exp. Sta.)

Another change introduced concerns the measurement of national income reflected in the analysis. In the reports issued during the recent postwar years, an index of United States nonagricultural income, with the average for 1932-33 as 100, was used. For the years beginning with 1932-33, that index now has been replaced by an index of United States disposable personal income, with the average for 1917-1919 as the base. The disposable income is derived from personal income by adjusting for tax obligations. The new base period was introduced for the same reason as noted above for the price index of competing canned fruit. It is deemed desirable to introduce the new index since many users of the report use disposable income figures in review of the market situation. Thus, the inclusion of disposable income in the analysis should help to coordinate it with the other income information used by the industry.

During the latter half of the 1930's and also during the postwar years, fruit cocktail developed and then maintained a significant position as one of the major canned fruit items. The expansion in the production and sale of canned fruit cocktail emphasized the need for inclusion of its price in the index of competing canned prices. This was not done earlier since appropriate price data for canned fruit cocktail were not available. More adequate data have now been compiled and analyzed. Accordingly, fruit cocktail has been introduced into the index beginning with the year 1936-37; adequate price data for earlier years are not available. The absence of fruit cocktail from the index for the years prior to 1936-37 does not impose a serious limitation, however, since in these years the volume of canned fruit cocktail was relatively less significant.

Although canned freestone peaches are not packed in as large volume as are canned clingstone peaches, there is evidence that competitive demand relations exist between canned freestone and canned clingstone peaches. The new index of

competing canned fruit prices includes canned freestone peaches beginning with the year 1940-41; earlier years were not included because of the unavailability of appropriate price data. The price data used for canned freestone peaches are f.o.b. prices of California Elberta peaches which are the most important variety of canned freestone peaches in recent years. Comparable price data for California Elbertas are not available for earlier years. Price data during those earlier years are available for canned Lovells, the most important variety of freestones then canned. Since Elbertas are the canned freestone of most importance now, the Elberta prices were used for freestone peaches during the postwar years.

The statistical data used in the report are given in complete detail in the appended tables. The footnotes to the tables explain the sources of the data and how the various series were constructed. But here it is pertinent to note that the price data for canned cling peaches, canned apricots, and canned pears, as well as the postwar data for canned fruit cocktail, are industry average prices reflecting actual experience of the canneries as reported to the Cling Peach Advisory Board or its preceding and associated agencies. The price data for canned fruit cocktail in the prewar years, canned freestone peaches, and canned pineapple reflect published quotations supplemented by trade information. Comparative checks of those published data suggest that they are appropriate for use in the analysis in the sense that their year-to-year changes are indicative of the market price behavior.

RESULTS

Using the revised data indicated above and shown in more detail in the appended tables, the economic-statistical analysis was revised. Various formulations of the relations between the f.o.b. prices of Pacific Coast canned pears and the various market factors related to them were considered. The results of some of these formulations are summarized in Table 12. Careful consideration

of the various sets of results, giving attention to the combined views of economics, statistics, and marketing--as well as practical problems in the use of the results--suggests the presentation of the formulation whose results are described below; that formulation not only compares very favorably with others, but also has the advantage that it carries on the general understanding developed in the industry in recent years.

The results of the revised analysis selected for presentation may be summarized as follows, indicating the average market relations prevailing during the period analyzed (equation 7, Table 12).

A change of 1,000,000 cases (24 No. 2 $\frac{1}{2}$ basis) in the domestic movement of Pacific Coast canned pears, with both United States disposable income and competing canned fruit prices held constant, was on the average accompanied by a change in the opposite direction of about 38 cents a case in the f.o.b. price (average all grades and sizes) of canned pears.

An increase of 10 per cent in the index of United States disposable income, with both the domestic movement of Pacific Coast canned pears and the prices of competing canned fruits held constant, was on the average accompanied by an increase of about 41 cents a case in the f.o.b. price (average all grades and sizes) of canned pears.

A change of ten points in the index of prices of competing canned fruits, with both the domestic movement of Pacific Coast canned pears and United States disposable income held constant, was on the average accompanied by a change in the same direction of about 19 cents a case in the f.o.b. price (average all grades and sizes) of canned pears.

The above average price relationships are summarized in this preliminary report at this time so as to provide a convenient background for the canned pear industry in its discussions preparatory to the 1953-54 season. As the current season comes to a close and market data reflecting its experience become

(A) Amount of \$1,000,000 years (B) No. of years

1978-01-01 to 1978-01-01

available, another report including the data for 1952-53 will be developed. That report, it is presently intended, will include a price analysis developed along the same general lines as the one here summarized.

NOTE

The formulations of price relationships summarized in Table 12 include the results of some experiments with variables not explicitly referred to in the above comments. Such variables include canners' carry-over at the beginning of the current season and in terms of its level in relation to the current season's shipments as well as in relation to the just-past season's shipments. Other formulations continue the inclusion of United States nonagricultural income but with the new base period of 1947-1949, rather than introducing the index of United States disposable income. Another variation replaces the index of competing canned fruit prices with an index of competing canned fruit shipments to reflect the impact of the market situations in canned fruits other than canned pears. A detailed comparative analysis of these various formulations is not intended here. It may be noted, however, that, in terms of application and utility in projection, the formulation whose price relationships are summarized above compares favorably with the other formulations and has the advantage of being related to a hypothesis of market price behavior which is generally familiar to the industry. Yet, continued development of and experimentation with various formulations are intended so as to approach one which is adequately acceptable from the combined views of economics, statistics, and marketing.

The formulation of price policy is a complex task which requires a thorough knowledge of the economic situation of the country and of the world market. It is not sufficient to rely on the results of one experiment or to base decisions on a single factor. A comprehensive analysis of the economic situation is essential for the formulation of a sound price policy. This analysis should take into account the various factors which influence the price level, such as the cost of production, the state of the market, and the needs of the population. It should also consider the impact of international trade and the policies of other countries. Only by a careful and systematic study of these factors can a price policy be formulated which is both effective and equitable.

TABLE 1

F.O.B. Prices of Pacific Coast Canned Pears and Related
Economic Variables from 1924-25

Marketing year, June through May	F.o.b. price of Pacific Coast canned pears (average all grades and sizes)	Domestic movement of Pacific Coast canned pears	Index of United States dis- posable income	Index of com- peting canned fruit prices
	1	2	3	4
	dollars per case	thousands of cases; 24 No. 2½ basis	1947-1949 = 100	
1924-25	5.40	1,014	34.5	254.0
1925-26	5.44	1,293	37.5	200.7
1926-27	4.31	1,957	38.3	201.9
1927-28	4.60	1,637	38.6	176.3
1928-29	4.13	2,170	40.1	172.4
1929-30	4.82	2,383	41.7	195.4
1930-31	3.53	2,617	36.5	174.9
1931-32	2.82	1,990	29.6	175.3
1932-33	2.48	2,200	24.8	182.6
1933-34	2.64	2,767	25.9	207.3
1934-35	3.05	2,984	29.3	199.1
1935-36	2.92	2,670	33.2	167.7
1936-37	2.92	3,997	36.7	156.2
1937-38	3.07	2,681	36.5	170.7
1938-39	2.77	3,114	36.3	142.3
1939-40	3.27	2,768	38.7	145.2
1940-41	3.06	4,150	43.8	126.3
(War years)				
1947-48	7.07	4,866	95.6	107.0
1948-49	7.37	3,660	102.1	104.1
1949-50	5.15	5,613	102.3	89.4
1950-51	6.90	4,815	116.4	92.1
1951-52	6.40	4,354	123.0	89.5

Sources:

Col. 1: Table 3, column 3.

Col. 2: Table 5, column 3.

Col. 3: Table 4, column 4.

Col. 4: For sources and methods of construction, see Table 4.

TABLE 1
 Factors influencing the rate of construction of new housing units in the United States, 1940-1950

Year	Total new housing units authorized by Congress	Total new housing units actually constructed	Ratio of actual to authorized	Ratio of actual to total housing stock
1940	1,000,000	1,000,000	1.00	0.01
1941	1,000,000	1,000,000	1.00	0.01
1942	1,000,000	1,000,000	1.00	0.01
1943	1,000,000	1,000,000	1.00	0.01
1944	1,000,000	1,000,000	1.00	0.01
1945	1,000,000	1,000,000	1.00	0.01
1946	1,000,000	1,000,000	1.00	0.01
1947	1,000,000	1,000,000	1.00	0.01
1948	1,000,000	1,000,000	1.00	0.01
1949	1,000,000	1,000,000	1.00	0.01
1950	1,000,000	1,000,000	1.00	0.01

Source: For sources and methods of construction, see Table B.

TABLE 2

Actual and Estimated F.O.B. Prices of Pacific Coast Canned Bartlett Pears,
Average All Grades and Sizes, from 1926-27

Marketing year, June through May	Actual price	Estimated price	Difference: column 1 minus column 2	Column 3 as per cent of column 1
	1	2	3	4
	dollars per case			per cent
1926-27	4.31	4.65	-.34	- 7.9
1927-28	4.60	4.32	.28	6.1
1928-29	4.13	4.22	-.09	- 2.2
1929-30	4.82	4.78	.04	0.8
1930-31	3.53	3.66	-.13	- 3.7
1931-32	2.82	2.90	-.08	- 2.8
1932-33	2.48	2.12	.36	14.5
1933-34	2.64	2.59	.05	1.9
1934-35	3.05	2.93	.12	3.9
1935-36	2.92	3.04	-.12	- 4.1
1936-37	2.92	2.79	.13	4.5
1937-38	3.07	3.55	-.48	-15.6
1938-39	2.77	2.81	-.04	- 1.4
1939-40	3.27	3.30	-.03	- 0.9
(War years)				
1947-48	7.07	6.08	.99	14.0
1948-49	7.37	6.80	.57	7.7
1949-50	5.15	5.78	-.63	-12.2
1950-51	6.90	6.75	.15	2.2
1951-52	6.40	7.14	-.74	-11.6

Sources:

Col. 1: From Table 3, column 3.

Col. 2: Estimated by equation 7, Table 12.

Col. 3: Column 1 minus column 2.

Col. 4: Column 3 as per cent of column 1.

TABLE 1
 Actual and Estimated F.O.B. Prices of Selected Agricultural Products
 in the United States, 1910-1919

Product	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919
Wheat	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45
Corn	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25
Soybeans	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05
Cotton	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85
Wool	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95
Sheep	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45
Goats	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25
Pigs	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05
Cattle	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85
Horses	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65

Source: Bureau of Agricultural Economics, U.S. Department of Agriculture.
 Prices are in cents per bushel, pound, or head, as indicated.
 1919 prices are preliminary estimates.

TABLE 3

F.O.B. Prices of Canned Fruits from 1924-25

Marketing year, June through May	California cling peaches (choice 2½)	California apricots (Average all grades and sizes)	Pacific Coast pears	California freestone peaches (Elberta choice 2½)	California fruit cocktail (choice 2½)	Hawaiian pineapple (sliced fancy, 2½ f.o.b. San Francisco)
	1	2	3	4	5	6
	dollars per case					
1924-25	4.72	3.91	5.40			5.20
1925-26	4.23	3.72	5.44			4.30
1926-27	4.10	3.85	4.31			4.70
1927-28	3.45	3.97	4.60			4.20
1928-29	3.50	3.67	4.13			4.40
1929-30	4.57	3.97	4.82			4.70
1930-31	3.20	3.32	3.53			4.00
1931-32	2.80	2.64	2.82			3.00
1932-33	2.15	2.23	2.48			3.10
1933-34	2.49	2.37	2.64			3.60
1934-35	2.88	3.47	3.05			3.60
1935-36	2.66	2.93	2.92			3.60
1936-37	2.79	2.75	2.92		3.90	3.60
1937-38	3.11	3.02	3.07		4.00	3.80
1938-39	2.44	2.55	2.77		3.40	3.40
1939-40	2.56	2.77	3.27		3.75	3.60
1940-41	2.43	3.23	3.06	3.20	3.35	3.60
(War years)						
1947-48	4.78	5.20	7.07	5.60	6.90	6.10
1948-49	5.10	4.55	7.37	6.10	6.65	6.80
1949-50	4.07	4.11	5.15	5.08	5.70	6.40
1950-51	5.17	4.83	6.90	6.10	6.65	6.80
1951-52	5.53	5.29	6.40	6.20	6.68	6.80

Sources:

- Col. 1: Based on data compiled by the Cling Peach Advisory Board from reports by California canners as reported in Hoos, Sidney, Statistical Analysis of the Annual Average F.O.B. Prices of Canned Clingstone Peaches, 1924-25 to 1951-52, July, 1952, Giannini Foundation Mimeographed Report No. 132.
- Col. 2: Compiled by Cling Peach Advisory Board from reports by canners as reported in Hoos, Sidney, Statistical Analysis of the Annual Average F.O.B. Prices of Canned Apricots, 1926-27 to 1951-52, July, 1952, Giannini Foundation Mimeographed Report No. 133. For years 1924-25, 1925-26, and 1940-41 from Hoos, Sidney, and Irving Dubov, Indexes of Competing Canned Fruit Prices, October, 1949, Giannini Foundation Report.

(Continued on next page.)

Table 3 continued.

- Col. 3: Compiled from canner reports by Cannery League of California and Northwest Cannery Association as reported in Hoos, Sidney, Statistical Analysis of the Annual Average F.O.B. Prices of Pacific Coast Canned Pears, 1926-27 to 1951-52, July, 1952, Giannini Foundation Mimeographed Report No. 135. For years 1924-25, 1925-26, and 1940-41 from Hoos, Sidney, and Irving Dubov, Indexes of Competing Canned Fruit Prices, October, 1949, Giannini Foundation Report.
- Col. 4: California Fruit News, supplemented by trade information.
- Col. 5: Years from 1936-37 to 1940-41, published quotations from California Fruit News. Years from 1947-48 to 1951-52 based on information compiled by the Cling Peach Advisory Board from canners' reports.
- Col. 6: Hoos, Sidney, Statistical Analysis of the Annual Average F.O.B. Prices of Canned Clingstone Peaches, 1924-25 to 1951-52, July, 1952, Giannini Foundation Mimeographed Report No. 132.

TABLE 4

Construction of Revised Index of Prices of Canned Fruits Competing
With Pacific Coast Canned Pears

Marketing year, June through May	Weighted average prices of competing canned fruits		United States dis- posable income		Revised index of competing canned fruit prices (1947-1949 = 100)
	Dollars per case	Relatives, 1947-1949 = 100	Billions of dollars	Index, 1947-1949 = 100	
	1	2	3	4	5
1924-25	4.8934	87.63	64.6	34.5	254.0
1925-26	4.2033	75.27	70.1	37.5	200.7
1926-27	4.3185	77.34	71.7	38.3	201.9
1927-28	3.7991	68.04	72.3	38.6	176.3
1928-29	3.8607	69.14	75.1	40.1	172.4
1929-30	4.5492	81.47	78.1	41.7	195.4
1930-31	3.5652	63.85	68.4	36.5	174.9
1931-32	2.8976	51.89	55.4	29.6	175.3
1932-33	2.5285	45.28	46.5	24.8	182.6
1933-34	2.9985	53.70	48.4	25.9	207.3
1934-35	3.2571	58.33	54.8	29.3	199.1
1935-36	3.1100	55.69	62.1	33.2	167.7
1936-37	3.2001	57.31	68.6	36.7	156.2
1937-38	3.4791	62.30	68.3	36.5	170.7
1938-39	2.8841	51.65	67.9	36.3	142.3
1939-40	3.1374	56.19	72.4	38.7	145.2
1940-41	3.0902	55.34	82.0	43.8	126.3
(War years)					
1947-48	5.7124	102.30	178.9	95.6	107.0
1948-49	5.9335	106.26	191.1	102.1	104.1
1949-50	5.1060	91.44	191.5	102.3	89.4
1950-51	5.9872	107.22	217.8	116.4	92.1
1951-52	6.1445	110.04	230.2	123.0	89.5

Sources:

Col. 1: Canned fruit (other than pears) prices weighted by their corresponding shipments. F.o.b. prices (other than pears) given in Table 3 weighted by corresponding domestic shipments given in Table 5.

Col. 2: Figures in column 1 expressed as percentages of their 1947-1949 average.

Col. 3: Based on income data reported by U. S. Department of Commerce, Survey of Current Business. From 1924-25 to 1928-29, U. S. Nonagricultural Income; from 1929-30 to 1951-52, U. S. Disposable Personal Income.

Col. 4: Figures in column 3 expressed as percentages of their 1947-1949 average.

Col. 5: Column 2 as per cent of column 4.

Name		Address		City		State		Zip	
Mr. J. H. Smith		123 Main St.		New York		NY		10001	
Mrs. A. B. Jones		456 Elm St.		Los Angeles		CA		90001	
Mr. C. D. Brown		789 Oak St.		Chicago		IL		60601	
Mrs. E. F. Green		101 Pine St.		Houston		TX		77001	
Mr. G. H. White		202 Maple St.		Phoenix		AZ		85001	
Mrs. I. J. Black		303 Cedar St.		San Antonio		TX		78101	
Mr. K. L. Gray		404 Birch St.		Dallas		TX		75201	
Mrs. M. N. Hall		505 Spruce St.		San Diego		CA		92101	
Mr. O. P. Young		606 Willow St.		Austin		TX		78701	
Mrs. Q. R. King		707 Ash St.		Fort Worth		TX		76101	
Mr. S. T. Lee		808 Hickory St.		El Paso		TX		79901	
Mrs. U. V. Scott		909 Walnut St.		San Jose		CA		95101	
Mr. W. X. Adams		1010 Cherry St.		San Francisco		CA		94101	
Mrs. Y. Z. Baker		1111 Elm St.		Seattle		WA		98101	
Mr. A. B. Carter		1212 Oak St.		Portland		OR		97201	
Mrs. C. D. Evans		1313 Pine St.		Denver		CO		80201	
Mr. E. F. Harris		1414 Maple St.		Nashville		TN		37201	
Mrs. G. H. King		1515 Spruce St.		Memphis		TN		38101	
Mr. I. J. Lee		1616 Birch St.		Jacksonville		FL		32201	
Mrs. K. L. Scott		1717 Cedar St.		Tampa		FL		33601	
Mr. M. N. Young		1818 Ash St.		Orlando		FL		32801	
Mrs. O. P. Adams		1919 Hickory St.		Fort Lauderdale		FL		33301	
Mr. Q. R. Baker		2020 Walnut St.		Miami		FL		33101	
Mrs. S. T. Carter		2121 Cherry St.		Hialeah		FL		33001	
Mr. U. V. Evans		2222 Elm St.		Coral Gables		FL		33101	
Mrs. W. X. Harris		2323 Oak St.		Doral		FL		33101	
Mr. Y. Z. King		2424 Pine St.		Kissimmee		FL		34701	
Mrs. A. B. Lee		2525 Maple St.		Winter Springs		FL		32701	
Mr. C. D. Scott		2626 Spruce St.		Altamonte Springs		FL		32701	
Mrs. E. F. Young		2727 Birch St.		Deerfield Beach		FL		33401	
Mr. G. H. Adams		2828 Cedar St.		Fort Lauderdale		FL		33301	
Mrs. I. J. Baker		2929 Ash St.		Tampa		FL		33601	
Mr. K. L. Carter		3030 Hickory St.		Orlando		FL		32801	
Mrs. M. N. Evans		3131 Walnut St.		Jacksonville		FL		32201	
Mr. O. P. Harris		3232 Cherry St.		Fort Lauderdale		FL		33301	
Mrs. Q. R. King		3333 Elm St.		Miami		FL		33101	
Mr. S. T. Lee		3434 Oak St.		Hialeah		FL		33001	
Mrs. U. V. Scott		3535 Pine St.		Coral Gables		FL		33101	
Mr. W. X. Young		3636 Maple St.		Doral		FL		33101	
Mrs. Y. Z. Adams		3737 Spruce St.		Altamonte Springs		FL		32701	
Mr. A. B. Baker		3838 Birch St.		Deerfield Beach		FL		33401	
Mrs. C. D. Carter		3939 Cedar St.		Fort Lauderdale		FL		33301	
Mr. E. F. Evans		4040 Ash St.		Tampa		FL		33601	
Mrs. G. H. Harris		4141 Hickory St.		Orlando		FL		32801	
Mr. I. J. King		4242 Walnut St.		Jacksonville		FL		32201	
Mrs. K. L. Lee		4343 Cherry St.		Fort Lauderdale		FL		33301	
Mr. M. N. Scott		4444 Elm St.		Miami		FL		33101	
Mrs. O. P. Young		4545 Oak St.		Hialeah		FL		33001	
Mr. Q. R. Adams		4646 Pine St.		Coral Gables		FL		33101	
Mrs. S. T. Baker		4747 Maple St.		Doral		FL		33101	
Mr. U. V. Carter		4848 Spruce St.		Altamonte Springs		FL		32701	
Mrs. W. X. Evans		4949 Birch St.		Deerfield Beach		FL		33401	
Mr. Y. Z. Harris		5050 Cedar St.		Fort Lauderdale		FL		33301	
Mrs. A. B. King		5151 Ash St.		Tampa		FL		33601	
Mr. C. D. Lee		5252 Hickory St.		Orlando		FL		32801	
Mrs. E. F. Scott		5353 Walnut St.		Jacksonville		FL		32201	
Mr. G. H. Young		5454 Cherry St.		Fort Lauderdale		FL		33301	
Mrs. I. J. Adams		5555 Elm St.		Miami		FL		33101	
Mr. K. L. Baker		5656 Oak St.		Hialeah		FL		33001	
Mrs. M. N. Carter		5757 Pine St.		Coral Gables		FL		33101	
Mr. O. P. Evans		5858 Maple St.		Doral		FL		33101	
Mrs. Q. R. Harris		5959 Spruce St.		Altamonte Springs		FL		32701	
Mr. S. T. King		6060 Birch St.		Deerfield Beach		FL		33401	
Mrs. U. V. Lee		6161 Cedar St.		Fort Lauderdale		FL		33301	
Mr. W. X. Scott		6262 Ash St.		Tampa		FL		33601	
Mrs. Y. Z. Young		6363 Hickory St.		Orlando		FL		32801	
Mr. A. B. Adams		6464 Walnut St.		Jacksonville		FL		32201	
Mrs. C. D. Baker		6565 Cherry St.		Fort Lauderdale		FL		33301	
Mr. E. F. Carter		6666 Elm St.		Miami		FL		33101	
Mrs. G. H. Evans		6767 Oak St.		Hialeah		FL		33001	
Mr. I. J. Harris		6868 Pine St.		Coral Gables		FL		33101	
Mrs. K. L. King		6969 Maple St.		Doral		FL		33101	
Mr. M. N. Lee		7070 Spruce St.		Altamonte Springs		FL		32701	
Mrs. O. P. Scott		7171 Birch St.		Deerfield Beach		FL		33401	
Mr. Q. R. Young		7272 Cedar St.		Fort Lauderdale		FL		33301	
Mrs. S. T. Adams		7373 Ash St.		Tampa		FL		33601	
Mr. U. V. Baker		7474 Hickory St.		Orlando		FL		32801	
Mrs. W. X. Carter		7575 Walnut St.		Jacksonville		FL		32201	
Mr. Y. Z. Evans		7676 Cherry St.		Fort Lauderdale		FL		33301	
Mrs. A. B. Harris		7777 Elm St.		Miami		FL		33101	
Mr. C. D. King		7878 Oak St.		Hialeah		FL		33001	
Mrs. E. F. Lee		7979 Pine St.		Coral Gables		FL		33101	
Mr. G. H. Scott		8080 Maple St.		Doral		FL		33101	
Mrs. I. J. Young		8181 Spruce St.		Altamonte Springs		FL		32701	
Mr. K. L. Adams		8282 Birch St.		Deerfield Beach		FL		33401	
Mrs. M. N. Baker		8383 Cedar St.		Fort Lauderdale		FL		33301	

TABLE 5

Canners' Domestic Shipments of Canned Fruits from 1924-25

Marketing year, June through May	Cali- fornia cling peaches	Cali- fornia apricots	Pacific Coast pears	California freestone peaches	Cali- fornia fruit cocktail	Pine- apple- a/	Total	Total, excluding Pacific Coast canned pears
	1	2	3	4	5	6	7	8
thousands of cases; 24 No. 2½ basis								
1924-25	4,607	1,235	1,014			6,611	13,467	12,453
1925-26	7,484	1,755	1,293			6,611	17,143	15,850
1926-27	8,599	2,038	1,957			7,465	20,059	18,102
1927-28	10,867	1,779	1,637			8,603	22,886	21,249
1928-29	10,490	2,195	2,170			7,876	22,731	20,561
1929-30	7,483	2,259	2,383			7,616	19,741	17,358
1930-31	9,257	2,183	2,617			8,994	23,051	20,434
1931-32	5,976	1,541	1,990			9,525	19,032	17,042
1932-33	8,148	1,521	2,200			6,270	18,139	15,939
1933-34	7,415	2,034	2,767			8,327	20,543	17,776
1934-35	7,685	1,477	2,984			7,500	19,646	16,662
1935-36	8,452	1,951	2,670			8,600	21,673	19,003
1936-37	9,358	2,992	3,997		1,450	10,400	28,197	24,200
1937-38	6,854	2,901	2,681		1,589	9,100	23,125	20,444
1938-39	10,127	2,562	3,114		2,070	8,200	26,073	22,959
1939-40	8,673	2,640	2,768		2,151	10,100	26,332	23,564
1940-41	11,433	2,012	4,150	1,233	4,448	11,500	34,776	30,626
(War years)								
1947-48	13,843	2,415	4,866	1,291	8,770	10,100	41,285	36,419
1948-49	12,382	3,528	3,660	1,690	6,732	11,500	39,492	35,832
1949-50	15,849	3,072	5,613	1,493	7,021	11,900	44,948	39,335
1950-51	14,305	3,566	4,815	1,896	8,003	12,400	44,985	40,170
1951-52	13,402	3,374	4,354	2,471	6,448	11,500	41,549	37,195

a/ Packers' and importers' shipments for domestic civilian consumption.

Sources:

Col. 1: Table 6, column 7.

Col. 2: Table 8, column 7.

Col. 3: Table 7, column 7.

Col. 4: Table 9, column 5.

Col. 5: Table 10, column 8.

(Continued on next page.)

Table 5 continued.

Col. 6: For years 1924-25 and 1925-26, average of the corresponding two-year packs compiled by Pineapple Growers Association of Hawaii as reported by trade sources.

For years 1926-27 through 1933-34 from Wellman, H. R., Statistical Analysis of the Annual Average F.O.B. Prices of California Canned Apricots, 1926-27 to 1936-37, June, 1937, Giannini Foundation Mimeographed Report No. 60. Figures are shipments from Hawaii to United States for July through June and converted at 55 pounds per case.

For years 1934-35 through 1949-50, Packers' and Importers' Shipments for Domestic Civilian Consumption, Fruit and Vegetable Canning Industries, 1934-35, Industrial Series No. 15, U. S. Bureau of Foreign and Domestic Commerce, and Canned Fruits and Vegetables Industry Reports, Office of Industry and Commerce, U. S. Department of Commerce from: Pineapple Growers Association of Hawaii, Bulletin No. 207.

For years 1950-51 and 1951-52 as compiled from trade sources.

Col. 7: Sum of columns 1 through 6.

Col. 8: Column 7 minus column 3.

TABLE 6

Canners' Pack, Carry-Over, Shipments, and Exports of California
Canned Cling Peaches from 1924-25

Marketing year, June through May	Pack	Canners' stocks on hand at be- ginning of year	Total supply	Canners' stocks on hand at end of year	Total movement from canners' hands	United States exports	Domestic movement
	1	2	3	4	5	6	7
thousands of cases; 24 No. 2½ basis							
1924-25		1,391		709			4,607
1925-26		709		449			7,484
1926-27		449		3,730			8,599
1927-28	10,499	3,730	14,229	1,322	12,907	2,040	10,867
1928-29	14,439	1,322	15,761	3,109	12,652	2,162	10,490
1929-30	7,724	3,109	10,833	1,629	9,204	1,721	7,483
1930-31	13,174	1,629	14,803	3,922	10,881	1,624	9,257
1931-32	8,349	3,922	12,271	4,826	7,445	1,469	5,976
1932-33	6,414	4,826	11,240	1,359	9,881	1,733	8,148
1933-34	10,244	1,359	11,603	2,389	9,214	1,799	7,415
1934-35	8,258	2,389	10,647	1,836	8,811	1,126	7,685
1935-36	10,850	1,836	12,686	1,929	10,757	2,305	8,452
1936-37	10,236	1,929	12,165	1,498	10,667	1,309	9,358
1937-38	12,205	1,498	13,703	5,578	8,125	1,271	6,854
1938-39	9,446	5,578	15,024	2,737	12,287	2,160	10,127
1939-40	10,579	2,737	13,316	2,690	10,626	1,953	8,673
1940-41	9,608	2,690	12,299	779	11,520	87	11,433
(War years)							
1947-48	15,309	456	15,765	1,247	14,518	675	13,843
1948-49	14,650	1,247	15,897	3,061	12,836	454	12,382
1949-50	16,525	3,061	19,585	2,058	16,332 ^{a/}	483	15,849
1950-51	14,417	2,058	16,475	531	14,771 ^{b/}	466	14,305
1951-52	19,145	531	19,676	3,418	13,842 ^{c/}	440	13,402

^{a/} Excludes government school lunch purchases of 865,000 cases in June, 1949-March, 1950, and an additional 331,000 cases in April, 1950. If school lunch purchases were included, total movement would be 17,528,219 cases.

^{b/} Excludes government purchases of 1,172,766 cases. If government purchases were included, total movement would be 15,943,675 cases.

^{c/} Excludes government purchases of 2,416,000 cases (1,970,000 quartermaster and 446,000 school lunch). If government purchases were included, total movement would be 16,258,400 cases.

(Continued on next page.)

TABLE 1 MOVEMENT OF POPULATION IN THE DISTRICT OF COLUMBIA, 1950-1959

Year	Population	Births	Deaths	Net Migration	Population	Births	Deaths	Net Migration
1950	1,100,000	12,000	10,000	2,000	1,100,000	12,000	10,000	2,000
1951	1,110,000	12,500	10,500	2,000	1,110,000	12,500	10,500	2,000
1952	1,120,000	13,000	11,000	2,000	1,120,000	13,000	11,000	2,000
1953	1,130,000	13,500	11,500	2,000	1,130,000	13,500	11,500	2,000
1954	1,140,000	14,000	12,000	2,000	1,140,000	14,000	12,000	2,000
1955	1,150,000	14,500	12,500	2,000	1,150,000	14,500	12,500	2,000
1956	1,160,000	15,000	13,000	2,000	1,160,000	15,000	13,000	2,000
1957	1,170,000	15,500	13,500	2,000	1,170,000	15,500	13,500	2,000
1958	1,180,000	16,000	14,000	2,000	1,180,000	16,000	14,000	2,000
1959	1,190,000	16,500	14,500	2,000	1,190,000	16,500	14,500	2,000
Total	10,000,000	120,000	100,000	20,000	10,000,000	120,000	100,000	20,000

Source: U.S. Census Bureau, "Population of the District of Columbia, 1950-1959," Washington, D.C., 1960.

Notes: 1. The population figures are based on the 1950 Census and the 1959 Census.

2. The birth and death figures are based on the 1950 Census and the 1959 Census.

3. The net migration figures are based on the 1950 Census and the 1959 Census.

Table 6 continued.

Sources:

- Cols. 1, 2, and 4: Cannery League of California as reported in Hoos, Sidney, and J. N. Boles, Selected Statistics on California Clingstone Peaches for the 1952 Canning Season, July, 1952, Giannini Foundation Mimeographed Report.
- Col. 3: Column 1 plus column 2.
- Col. 5: Column 3 minus column 4.
- Col. 6: U. S. Department of Commerce, Monthly Summary of Foreign Commerce of the United States as reported in Hoos, Sidney, Statistical Analysis of the Annual Average F.O.B. Prices of Canned Clingstone Peaches, 1924-25 to 1951-52, July, 1952, Giannini Foundation Mimeographed Report No. 132. (All exports are considered to be clings since no breakdown between clings and frees is available.)
- Col. 7: Column 5 minus column 6. For years 1924-25, 1925-26, and 1926-27 from Hoos, Sidney, and Irving Dubov, Indexes of Competing Canned Fruit Prices, October, 1949, Giannini Foundation Report, as compiled by Cannery League of California and Cling Peach Advisory Board.

for 2 1/2 years.

Col. 1, 2, and 3:

For 2 1/2 years, the United States has been in a position to observe the activities of the Japanese in the Pacific.

Col. 4: The Japanese have been in a position to observe the activities of the United States in the Pacific. The Japanese have been in a position to observe the activities of the United States in the Pacific. The Japanese have been in a position to observe the activities of the United States in the Pacific.

Col. 5: The Japanese have been in a position to observe the activities of the United States in the Pacific. The Japanese have been in a position to observe the activities of the United States in the Pacific. The Japanese have been in a position to observe the activities of the United States in the Pacific.

TABLE 7

Canners' Pack, Carry-Over, Shipments, and Exports of
Pacific Coast Canned Pears from 1924-25

Marketing year, June through May	Pack	Canners' stocks on hand at be- ginning of year	Total supply	Canners' stocks on hand at end of year	Total movement from canners' hands	United States exports	Domestic movement
	1	2	3	4	5	6	7
thousands of cases; 24 No. 2½ basis							
1924-25		142		51			1,014
1925-26		51		507			1,293
1926-27	3,260	507	3,767	401	3,366	1,409	1,957
1927-28	2,639	401	3,040	167	2,873	1,236	1,637
1928-29	4,116	167	4,283	292	3,991	1,821	2,170
1929-30	4,206	292	4,498	952	3,546	1,163	2,383
1930-31	4,153	952	5,105	893	4,212	1,595	2,617
1931-32	3,635	893	4,528	870	3,658	1,668	1,990
1932-33	3,117	870	3,987	429	3,558	1,358	2,200
1933-34	4,377	429	4,806	273	4,533	1,766	2,767
1934-35	5,505	273	5,778	1,291	4,487	1,503	2,984
1935-36	4,230	1,291	5,521	957	4,564	1,894	2,670
1936-37	5,355	957	6,312	850	5,462	1,465	3,997
1937-38	4,321	850	5,171	1,150	4,021	1,340	2,681
1938-39	4,090	1,150	5,240	400	4,840	1,726	3,114
1939-40	4,057	400	4,457	280	4,177	1,409	2,768
1940-41							4,150
(War years)							
1947-48	5,622	200	5,822	726	5,096	230	4,866
1948-49	3,831	726	4,557	761	3,796	136	3,660
1949-50	5,459	761	6,220	448	5,772	159	5,613
1950-51	6,048	448	6,496	566	5,930	215	4,815 ^{a/}
1951-52	6,215	566	6,781	1,575	5,206	95	4,354 ^{a/}

^{a/} Excludes 900,549 cases in 1950-51 and 758,000 cases in 1951-52 purchased by U. S. Defense Department (Quartermaster Corps). If quartermaster purchases were included, domestic shipments would amount to 5,715,000 cases in 1950-51 and 5,111,679 cases in 1951-52.

(Continued on next page.)

Cambridge, Brock, Cary, Co. and Lumber Co.
 Boston, Mass. U.S.A.

No.	Description	Quantity	Unit	Value	Remarks	Date
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By Order of the Board of Directors, the undersigned, Secretary, do hereby certify that the foregoing is a true and correct copy of the minutes of the meeting of the Board of Directors of the Cambridge, Brock, Cary, Co. and Lumber Co., held on the 1st day of January, 1912, at Cambridge, Mass., U.S.A.

Table 7 continued.

Sources: As reported in Hoos, Sidney, Statistical Analysis of the Annual Average F.O.B. Prices of Pacific Coast Canned Pears, 1926-27 to 1951-52, July, 1952, Giannini Foundation Mimeographed Report No. 135.

Cols. 1, 2, and 4: Compiled from reports of Cannery League of California and Northwest Cannery Association.

Col. 3: Column 1 plus column 2.

Col. 5: Column 3 minus column 4.

Col. 6: Compiled from U. S. Department of Commerce, Monthly Summary of Foreign Commerce of the United States (exports converted at 45 pounds per No. 2½ equivalent case; April-May, 1952, exports estimated) as reported in Hoos, Sidney, Giannini Foundation Mimeographed Report No. 135.

Col. 7: Column 5 minus column 6. For the years 1924-25, 1925-26, and 1940-41 from Hoos, Sidney, and Irving Dubov, Indexes of Competing Canned Fruit Prices, October, 1949, Giannini Foundation Report, as compiled by Cannery League of California and Cling Peach Advisory Board.

1. I have no other information.

TABLE 8

Canners' Pack, Carry-Over, Shipments, and Exports of
California Canned Apricots from 1924-25

Marketing year, June through May	Pack	Canners' stocks on hand at be- ginning of year	Total supply	Canners' stocks on hand at end of year	Total movement from canners' hands	United States exports	Domestic movement
	1	2	3	4	5	6	7
thousands of cases; 24 No. 2½ basis							
1924-25		298		315			1,235
1925-26		315		21			1,755
1926-27	3,227	21	3,248	401	2,847	809	2,038
1927-28	2,960	401	3,361	952	2,409	630	1,779
1928-29	1,991	952	2,943	154	2,789	594	2,195
1929-30	4,023	154	4,177	1,189	2,988	729	2,259
1930-31	1,954	1,189	3,143	546	2,597	414	2,183
1931-32	2,006	546	2,552	515	2,037	496	1,541
1932-33	1,805	515	2,320	323	1,997	476	1,521
1933-34	2,416	323	2,739	167	2,572	538	2,034
1934-35	1,774	167	1,941	227	1,714	237	1,477
1935-36	3,164	227	3,391	844	2,547	596	1,951
1936-37	2,899	844	3,743	228	3,515	523	2,992
1937-38	5,553	228	5,781	2,305	3,476	575	2,901
1938-39	1,547	2,305	3,852	528	3,324	762	2,562
1939-40	3,338	528	3,866	479	3,387	747	2,640
1940-41							2,012
(War years)							
1947-48	3,063	279	3,342	639	2,703	288	2,415
1948-49	4,651	639	5,290	1,508	3,782	254	3,528
1949-50	2,307	1,508	3,815	532	3,283	211	3,072
1950-51	3,661	532	4,193	115	4,078	135	3,566 ^{a/}
1951-52	4,538	115	4,653	614	4,039	145	3,374 ^{b/}

a/ Excludes United States government (quartermaster) purchases of 375,564 cases; if government purchases were included, total domestic shipments would be 3,942,072 cases.

b/ Excludes United States government (quartermaster) purchases of 520,000 cases; if government purchases were included, total domestic shipments would be 3,894,217 cases.

(Continued on next page.)

Summary of Shipments, Imports, and Exports of
Canned Goods from 1931-32

Commodity	Quantity	Value	Country of Origin	Country of Destination	Remarks
Canned Tomatoes	1,234,567	\$1,234,567	Italy	United States	
Canned Peas	987,654	\$987,654	Canada	United States	
Canned Beans	876,543	\$876,543	France	United States	
Canned Corn	765,432	\$765,432	United States	United States	
Canned Apples	654,321	\$654,321	United States	United States	
Canned Fruit	543,210	\$543,210	United States	United States	
Canned Vegetables	432,109	\$432,109	United States	United States	
Canned Meat	321,098	\$321,098	United States	United States	
Canned Fish	210,987	\$210,987	United States	United States	
Canned Soups	109,876	\$109,876	United States	United States	

Each of the United States government (the Government) purchases of 100,000 cases of
government purchases were included, total domestic shipments would be 1,000,000
cases.

Table 8 continued.

Sources: As reported in Hoos, Sidney, Statistical Analysis of the Annual Average F.O.B. Prices of Canned Apricots, 1926-27 to 1951-52, July, 1952, Giannini Foundation Mimeographed Report No. 133.

Col. 1 through 5: Compiled by Cannery League of California.

Col. 6: Compiled from U. S. Department of Commerce, Monthly Summary of Foreign Commerce of the United States (exports converted at 45 pounds per No. 2½ equivalent case; April-May, 1952, exports estimated).

Col. 7: Column 5 minus column 6. For years 1924-25, 1925-26, and 1940-41 from Hoos, Sidney, and Irving Dubov, Indexes of Competing Canned Fruit Prices, October, 1949, Giannini Foundation Report, as compiled by Cannery League of California and Cling Peach Advisory Board.

TABLE 9

Canners' Pack, Carry-Over, Shipments, and Exports of California
Canned Freestone Peaches from 1924-25

Marketing year, June through May	Pack	Canners' stocks on hand at be- ginning of year	Total supply	Canners' stocks on hand at end of year	Total movement from canners' hands ^{a/}
	1	2	3	4	5
	thousands of cases; 24 No. 2½ basis				
1924-25					1,030
1925-26					1,027
1926-27					447
1927-28	314	176	490	193	296
1928-29	157	193	350	40	310
1929-30	376	40	416	54	362
1930-31	120	54	174	29	145
1931-32	72	29	101	19	82
1932-33	23	19	42	2	40
1933-34	65	2	67	2	65
1934-35	340	2	342	21	321
1935-36	365	21	386	112	274
1936-37	475	112	587	69	518
1937-38	1,043	69	1,112	435	677
1938-39	376	435	811	269	542
1939-40	882	269	1,151	273	878
1940-41	1,134	273	1,407	174	1,233
(War years)					
1947-48	1,497	41	1,538	248	1,291
1948-49	1,708	248	1,952	265	1,690
1949-50	1,499	265	1,764	271	1,493
1950-51	1,677	271	1,948	52	1,896
1951-52	2,793	52	2,845	374	2,471

a/ No exports of canned freestone peaches are reflected; exports of all canned peaches are considered as clings since no breakdown between exports of clings and frees is available.

Sources:

Cols. 1, 2, and 4: Canners League of California as reported by Hoos, Sidney, and J. N. Boles, Selected Statistics on California Clingstone Peaches for the 1952 Canning Season, July, 1952, Giannini Foundation Mimeographed Report.

Col. 3: Column 1 plus column 2.

Col. 5: Column 3 minus column 4. For years 1924-25, 1925-26, 1926-27 from Hoos, Sidney, and Irving Dubov, Indexes of Competing Canned Fruit Prices, October, 1949, Giannini Foundation Report, as compiled by Canners League of California and Cling Peach Advisory Board.

Source: U.S. Department of Commerce, Bureau of Economic Warfare, 1942-1943
 Annual Report, Washington, D.C., 1943

Year	Value of Exports	Value of Imports	Value of Re-Exports	Value of Total Trade
1941	\$1,200,000,000	\$1,800,000,000	\$500,000,000	\$3,500,000,000
1942	\$1,500,000,000	\$2,000,000,000	\$600,000,000	\$4,100,000,000
1943	\$1,800,000,000	\$2,200,000,000	\$700,000,000	\$4,700,000,000
1944	\$2,000,000,000	\$2,400,000,000	\$800,000,000	\$5,200,000,000
1945	\$2,200,000,000	\$2,600,000,000	\$900,000,000	\$5,700,000,000
1946	\$2,400,000,000	\$2,800,000,000	\$1,000,000,000	\$6,200,000,000
1947	\$2,600,000,000	\$3,000,000,000	\$1,100,000,000	\$6,700,000,000
1948	\$2,800,000,000	\$3,200,000,000	\$1,200,000,000	\$7,200,000,000
1949	\$3,000,000,000	\$3,400,000,000	\$1,300,000,000	\$7,700,000,000
1950	\$3,200,000,000	\$3,600,000,000	\$1,400,000,000	\$8,200,000,000

U.S. exports to Japan, 1941-1945, were valued at \$1,200,000,000. Exports of goods and services to Japan since no breakdown between goods and services is available.

Source: U.S. and Japan: Commerce League of California as reported by
 U.S. and Japan: Commerce League of California as reported by
 U.S. and Japan: Commerce League of California as reported by
 U.S. and Japan: Commerce League of California as reported by

U.S. and Japan: Commerce League of California as reported by
 U.S. and Japan: Commerce League of California as reported by
 U.S. and Japan: Commerce League of California as reported by
 U.S. and Japan: Commerce League of California as reported by

TABLE 10

California Cannery Pack, Carry-Over, Shipments,
and Exports of Canned Fruit Cocktail from 1936-37

Marketing year, June through May	Direct pack	Remanu- factured pack	Canners' carry- over on hand at begin- ning of year	Total supply	Canners' carry- over on hand at end of year	Total move- ment from canners' hands ^{a/}	United States exports	Domestic shipment
	1	2	3	4	5	6	7	8
	thousands of cases; 24 No. 2½ basis							
1936-37	2,221			2,595	336	2,259	809	1,450
1937-38	3,078	228	336	3,642	1,295	2,347	758	1,589
1938-39	1,968	75	1,295	3,337	288	3,049	979	2,070
1939-40	3,580	73	288	3,942	747	3,195	1,044	2,151
1940-41	4,262	98	747	5,108	587	4,521	73	4,448
(War years)								
1947-48	9,324	125	62	9,511	299	9,212	442	8,770
1948-49	9,754	85	299	10,139	3,016	7,122	390	6,732
1949-50	6,135	445	3,016	9,596	2,104	7,492	471	7,021
1950-51	6,810	302	2,104	9,217	490	8,727	724	8,003
1951-52	8,999	--	490	9,488	2,335	7,153	705	6,448

a/ Movement figures may not be precisely consistent with other figures due to rounding errors.

Sources:

Cols. 1, 2, 3, and 5: Based on records of canners as compiled by Canners League of California and published in its numbered bulletins.

Col. 4: Sum of columns 1, 2, and 3.

Col. 6: Column 4 less column 5.

Col. 7: U. S. Bureau of Foreign and Domestic Commerce, Monthly Summary of Foreign Commerce of the United States, June, 1936-December, 1947. U. S. Bureau of Census, Report FT410, United States Exports of Domestic and Foreign Merchandise, January, 1948-May, 1952.

Col. 8: Column 6 minus column 7.

Table 1

Table 1. Summary of the results of the survey of the foreign trade of the United States, 1932-1933.

Country	Value of exports to United States, 1932-1933	Value of imports from United States, 1932-1933	Balance of trade with United States, 1932-1933	Value of exports to United States, 1932-1933	Value of imports from United States, 1932-1933	Balance of trade with United States, 1932-1933	Value of exports to United States, 1932-1933	Value of imports from United States, 1932-1933	Balance of trade with United States, 1932-1933
Canada	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0
United Kingdom	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0
France	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0
Germany	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0
Italy	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0
Japan	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0
Soviet Union	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0
China	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0
India	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0
Other countries	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0
Total	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0	1,000,000,000	1,000,000,000	0

The figures in this table are based on the results of the survey of the foreign trade of the United States, 1932-1933. The figures are in millions of dollars.

Table 1. Summary of the results of the survey of the foreign trade of the United States, 1932-1933. The figures are in millions of dollars.

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U. S. Bureau of Foreign and Domestic Commerce, Monthly Summary of Foreign Commerce of the United States, June, 1933-September, 1933. U. S. Bureau of Census, United States Statistical Abstract, 1933. Foreign Trade Statistics, January, 1934-May, 1933.

TABLE 11

Index of Competing Canned Fruit Prices Adjusted by United States Nonagricultural Income (1947-1949 = 100) and Canners' Carry-Over of Pears as Per Cent of Shipments from 1924-25

Marketing year, June through May	Weighted average price relatives of competing canned fruits	Index of United States nonagricultural income	Index of competing canned fruit prices adjusted for United States nonagricultural income	Canners' carry-over of pears at beginning of year as per cent of shipments in the year just	
				Closed	Opened
	1	2	3	4	5
	1947-1949 = 100				
1924-25	87.63	34.7	252.5		
1925-26	75.27	37.6	200.2		
1926-27	77.34	38.5	200.9	39.2	25.9
1927-28	68.04	38.8	175.4	20.5	24.5
1928-29	69.14	40.3	171.6	10.2	7.7
1929-30	81.47	40.4	201.7	13.5	12.3
1930-31	63.85	35.6	179.4	39.9	36.4
1931-32	51.89	29.0	178.9	34.1	44.9
1932-33	45.28	22.8	198.6	43.7	39.5
1933-34	53.70	24.8	216.5	19.5	15.5
1934-35	58.33	27.2	214.4	9.9	9.1
1935-36	55.69	30.0	185.6	43.3	48.4
1936-37	57.31	35.5	161.4	35.8	23.9
1937-38	62.30	34.5	180.6	21.3	31.7
1938-39	51.65	34.1	151.5	42.9	36.9
1939-40	56.19	36.6	153.5	12.8	14.5
1940-41	55.34	40.7	136.0		
(War years)					
1947-48	102.30	95.3	107.3	4.4	4.1
1948-49	106.26	101.5	104.7	14.9	19.8
1949-50	91.44	103.2	88.6	20.8	13.6
1950-51	107.22	116.6	92.0	8.0	9.3
1951-52	110.04	128.5	85.6	11.8	13.0

Sources:

Col. 1: Table 4, column 2.

Col. 2: Based on monthly income data reported by U. S. Department of Commerce, Survey of Current Business (monthly issues and revisions).

Col. 3: Column 1 divided by column 2.

Col. 4: Table 7, column 2, divided by column 7 of the preceding year.

Col. 5: Table 7, column 2, divided by column 7 of the same year.

TABLE 12

Pacific Coast Canned Pears
Multiple Regression (Least Squares) Equations and Auxiliary Constants
(1926-27 to 1951-52, Excluding 1940-41 to 1946-47)

Equation number	Dependent variable ^{a/}	Constant	Independent variables ^{a/}								
			X ₂	Log X ₃	X ₄	X ₅	X ₆	X ₇	X ₈	X ₉	\bar{R}
			net regression coefficients, with their corresponding t-ratios in parentheses and beta coefficients in brackets								
1	X ₁	-15.218521	-0.000350 (2.044029) [-0.239820]	10.594842 (8.644998) [1.581934]	0.018760 (2.515677) [0.500465]						0.960
2	X ₁	- 2.211908	-0.000209 (1.398993) [-0.143278]	1.361059 (0.779906) [0.203222]		0.067080 (4.101315) [0.875199]					0.973
3	X ₁	-12.533158	-0.000340 (1.995543) [-0.232872]	9.600104 (6.328580) [1.433408]	0.013861 (1.603339) [0.369766]		-0.000447 (1.098753) [-0.089864]				0.960
4	X ₁	-13.418081	-0.000361 (2.090847) [-0.247582]	9.913308 (6.843237) [1.480173]	0.016126 (2.000745) [0.430186]			-0.009209 (0.897371) [-0.077013]			0.959
5	X ₁	-13.323596	-0.000395 (2.140839) [-0.270638]	9.966090 (6.587340) [1.488054]	0.015475 (1.757006) [0.412813]				-0.008276 (0.731451) [-0.068015]		0.959
6	X ₁	- 8.856147	-0.000379 (1.347504) [-0.260089]	9.434886 (4.381064) [1.408739]						-0.000055 (0.674569) [-0.288540]	0.944

(Continued on next page.) 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	12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Table 12 continued.

Equation number	Dependent variable ^{a/}	Constant	Independent variables ^{a/}							\bar{R}
			Log X ₂	X ₂	Log X ₃	Log X ₉	Log X ₁₀	Log X ₁₁	X ₁₁	
			net regression coefficients, with their corresponding t-ratios in parentheses and beta coefficients in brackets							
7	X ₁	-15.902147		-0.000379 (2.171733) [-0.259606]			10.986636 (9.998272) [1.562512]		0.019347 (2.717004) [0.473190]	0.963
8	Log X ₁	- 2.801736	-0.235326 (2.769881) [- .222251]				1.236899 (14.397846) [1.821131]	0.990648 (5.342211) [0.792020]		0.982
9	Log X ₁	2.077211	-0.286937 (1.977596) [-0.270994]		0.986409 (6.356295) [1.524751]	-0.484759 (1.446574) [-0.426590]				0.954

a/ Specifications of variables:

- X_1 = F.O.B. Prices of Pacific Coast Canned Pears (average all grades and sizes) in dollars per case (Table 1, column 1).
- X_2 = Domestic Movement of Pacific Coast Canned Pears in thousands of cases, 24 No. 2-1/2 basis (Table 1, column 2).
- X_3 = Index of United States Nonagricultural Income, 1947-1949 = 100 (Table 11, column 2).
- X_4 = Index of Competing Canned Fruit Prices, adjusted for United States nonagricultural income, 1947-1949 = 100 (Table 11, column 3).
- X_5 = Weighted Average Price Relatives of Competing Canned Fruits, 1947-1949 = 100 (Table 4, column 2).

(Continued on next page.)

(continued on next page)

X^2 = weighted average price relatives of combining services 1961-1962 = 100 (Table 1, column 5)

1961-1962 = 100 (Table 1, column 3)

X^1 = index of combining services 1961-1962, weighted for output prices nonconstant income

X^3 = index of output prices nonconstant income 1961-1962 = 100 (Table 1, column 5)

(Table 1, column 5)

X^S = domestic elements of basic cost series 1961-1962 in thousands of cases 54 No. 5-1/5 price

(Table 1, column 1)

X^T = B.C.B. index of basic cost series 1961-1962 (average of 1961 and 1962) in dollars per case

3/ coefficients of variation:

			[-0.510209] (1.121122) -0.592831		[1.254121] (0.724622) 0.069400	[-0.150220] (1.110217) -0.701122				
2	for X^1	Statistic								0.007
3	for X^1	-Statistic	[-0.555501] (5.102681) -0.532352				[1.121121] (1.121121) 1.330800	[0.120600] (2.345311) 0.000000		0.005
4	X^T	-Statistic		[-0.522000] (5.111133) -0.000312			[1.254121] (0.724622) 1.000000		[0.120600] (2.345311) 0.000000	0.003
and price coefficients in brackets										
for regression coefficients with other combinations of ratios in brackets										
for X^S	X^S			for X^2	for X^3	for X^T	for X^1	X^T	X^1	X^S
Independent variables										

Table 1S continued

Table 12 continued.

- X_6 = Cannery Stocks of Pacific Coast Canned Pears at Beginning of Year in thousands of cases; 24 No. 2-1/2 basis (Table 7, column 2).
- X_7 = Cannery Carry-Over of Pears at Beginning of Year as Per Cent of Shipments in Year Just Closed (Table 11, column 4).
- X_8 = Cannery Carry-Over of Pears at Beginning of Year as Per Cent of Shipments in Year Just Opened (Table 11, column 5).
- X_9 = Cannery Domestic Shipments of Competing Canned Fruits in thousands of cases; 24 No. 2-1/2 basis (Table 5, column 8).
- X_{10} = Index of United States Disposable Income, 1947-1949 = 100 (Table 1, column 3).
- X_{11} = Index of Competing Canned Fruits Prices, adjusted by index of United States disposable personal income, 1947-1949 = 100 (Table 1, column 4).

X^{II} = Index of combining centered relative values, calculated as index of relative values of absolute values

X^{IO} = Index of relative values of absolute values, 100-1000 = 100 (Table 1, column 3)

X³ = (Table 2, column 3)
Coefficients, relative values of combining centered relative values in presence of cases: Sp no. 5-1/5 parts

X⁸ = (Table 11, column 2)
Coefficients, relative values of relative values of cases as per case of relative values to total that closed

X¹ = (Table 11, column 4)
Coefficients, relative values of relative values of cases as per case of relative values to total that closed

X⁹ = (Table 12, column 3)
Coefficients, relative values of relative values of relative values of cases as per case of relative values to total that closed

Table 12 continued: